

SDMS US EPA REGION V -1

**SOME IMAGES WITHIN THIS
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DOCUMENTS.**

153705

LOWENSTEIN, SANDLER, KOHL, FISHER & BOYLAN

A PROFESSIONAL CORPORATION

COUNSELLORS AT LAW

600 FIRST AVENUE

RARITAN, NEW JERSEY

08869-1308

TELEPHONE (908) 526-3300

FACSIMILE (908) 526-9173

MAILING ADDRESS:

POST OFFICE BOX 1113

SOMERVILLE, NEW JERSEY 08876-1113

ROSELAND OFFICE

TELEPHONE (201) 992-8700

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July 25, 1994

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 MYLA KAPLAN
 ELENA FRANCESCA RAND
 PATRICK J. WHALEN
 SARAH GODFREY HUNT

Joseph Grana
 Cerro Copper Products, Co.
 3000 Mississippi Avenue
 Sauget, Illinois 62206

Re: Cerro Copper Products Co. v. Monsanto

Dear Joe:

Enclosed please find the original "PCB Annual Document."
 I have provided a copy of this document to Coburn & Croft and have
 maintained a copy for our files.

Very truly yours,



John M. Nolan

JMN/aj
 Enclosure
 072594JMNL-Grana

CO8594

PCB ANNUAL DOCUMENT

CERRO COPPER PRODUCTS CO.

Other Addressees

P. Tandler
R.E.Conreux

INTERNAL MEMORANDUM

File

To: Distribution

Date: April 3, 1992

From: J. M. Grana

Subject: IEPA - PCB Inspection
April 3, 1992

Distribution: M. McNerney
J. Burroughs
R. Thompson
B. Novak

Mr. Mark Johnson, from the Illinois Environmental Protection Agency arrived at Cerro at approximately 9:40 am to perform a PCB inspection. He left Cerro at approximately 11:50 am. He stated that the IEPA is under contract with the USEPA to inspect about 100 sites per year.

During the inspection Mr Johnson spent nearly one hour asking questions concerning our past activities with PCBs. We provided general information and history of the company, electrical equipment and waste oil. Roy Thompson provided information on the electrical equipment and Joe Burroughs and this writer provided information on the company and the waste oil.

Mr. Johnson then reviewed our records on the PCB equipment and transformer analysis. He requested copies of the reports from the S.D. Meyers analytical results.

Then Joe & Roy escorted Mr. Johnson to the capacitor banks and the two former PCB transformers, #35 & #36. Both transformers are located in the Tube Mill. Samples of the #7 Fenn Mill's hydraulic system and the waste oil tank were also taken by Mr. Johnson.

When queried if there were any violations he would be reporting, he said that there are none from the inspection and that if there are no PCBs in the two samples we would receive a letter from the USEPA stating that there was no violations. He commented that the records looked good. Roy Thompson should be commended for keeping accurate and complete records. We will only have to maintain these records for 2 more years until July 1, 1994, then they can be discarded.

Bill Novak should also be commended for having a neat and orderly oil storage yard when the inspection occurred.

Cerro should receive a letter from the USEPA in about 6 months. He also said that this would most likely be our last inspection of this type.



CO8595

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 0 H D 0 5 3 5 7 6 2 9 4 8 9 1 7 8		Manifest Document No. 0 8 9 1 7 8		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address S.D. Myers, Inc. 180 South Ave./Tallmadge, OH 44278						A. State Manifest Document Number							
4. Generator's Phone (216) 633-2666						B. State Generator's ID							
5. Transporter 1 Company Name 7/7, INC			6. US EPA ID Number 0 H D 0 8 2 0 7 5 3 4 3			C. State Transporter's ID							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 1-800-776-607							
9. Designated Facility Name and Site Address PPM, INC. 4105 Whitaker Ave. Philadelphia, PA 19124			10. US EPA ID Number P A D 0 8 1 1 1 3 7 4 0			E. State Transporter's ID							
						F. Transporter's Phone							
						G. State Facility's ID							
						H. Facility's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ (10/4.54), Waste, (Polychlorinated Bipheyls), Hazardous Substance, Liquid, N.O.S., ORM-E NA9188						1 1 T T		155100		c			
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information 7/7 PO# 46204 PPM PO# 46205													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name DAVID L. BELDEN						Signature David L. Belden		Month Day Year 1 1 0 2 8 1					
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature DALE HOLLIDAY		Month Day Year 1 1 0 2 5 1					
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Month Day Year					
19. Discrepancy Indication Space 5252 actual gallons M O D E F 5041 4970 cs													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Signature Clark Spangler		Month Day Year 1 1 0 3 8 1					
Printed/Typed Name Clark Spangler													

DER

must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

the classifications and tariffs in effect on the date of the issue of this Bill of Lading, above in apparent good order, except as noted (contents and condition of contents known), marked, consigned, and destined as indicated above which said carrier (the word understood throughout this contract as meaning any person or corporation in possession of property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each

carrier of all or any of said property over all or any portion of said route to destination and as to each part, at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

F S.D. Myers, Inc.

At 180 South Ave./Tallmadge, OH

19 89

DESIGNATE WITH AN (X) BY TRUCK ☐ FREIGHT ☐

Shipper's No.

Carrier 7/7, Inc.

Agent's No.

Consigned to PPM, Inc.

(Mail or street address of consignee—For purposes of notification only.)

Destination 4105 Whitaker Ave./Philadelphia,

State of PA

County of

Route

Delivering Carrier

Vehicle or Car Initial

No.

No. Packages	HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	UN# or NA#	Weight (Sub. to Cor.)	Class or Rate	Check Column	Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. Per _____ (Signature of Consignor)
5668 gal (estimate)		RQ (10/4.54), Polychlorinated Biphenyls, Hazardous Substance, Liquid, N.O.S. ORM-E NA9188					
		(600) Hall Equipment, 89-137-FS, 8-14-89					If charges are to be prepaid, write or stamp here. To be Prepaid.
		(1,800) Cerro Copper Products, 8-17-89, 89-135-RT					Received \$ _____ to apply in prepayment of the charges on the property described hereon.
		(1,485) Cerro Cooper Products, 89-135-RT, 8-17-89					Agent or Cashier Per _____ (The signature here acknowledges only the amount prepaid.)
		(60) Avtex Fibers, 89-295-FS, 8-18-89					Charges Advanced \$ _____
		(220) Avtex Fibers, 89-295-FS, 8-18-89					
		(59) Olyphant Borough, 89-302-FS, 8-31-89					
		(19) Genesco Municipal, 89-310-FS, 8-31-89					
		(162) North Arkansas Elec Co-op, 89-293-FS, 8-31-89					
		(48) Ohio Edison, 89-325-FS, 8-31-89					
		(105) Ohio Edison, 89-325-FS, 8-31-89					
		(795) Sun Pipeline Co., 89-130-RT, 9-1-89					
		Updated 11/2/89 em					
TOTAL PIECES							

C.O.D. SHIPMENT
Prepaid ☐
Collect ☐ \$ _____
Collection Fee _____
Total Charges _____

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is 'Carrier's or Shipper's weight.'"

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

THIS SHIPMENT IS CORRECTLY DESCRIBED. CORRECT WEIGHT IS

LBS.

Subject to verification by the Respective Weighing and Inspection Bureau According to Agreement.

Per _____

If lower charges result, the agreed or declared value of the within described containers is hereby specifically stated to be not exceeding 50 cents per pound per article.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SIGNATURE

A fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification. †Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Pat Halliday 11-2-89

Shipper, Per

Agent, Per

Permanent post-office address of shipper:

CO8597



4105 WHITAKER AVENUE
PHILADELPHIA, PENNSYLVANIA 19124
(215) 425-5144

CERTIFICATION OF DECONTAMINATION

S.D. Myers, Inc.
180 South Avenue
Tallmadge, OH 44278

Job Control Number: 90664

Attn: Gail Smith

Decontamination Batch Number: 89-145

This is to inform you that in accordance with 40 CFR 761.60 (e), and PPM, Inc.'s authorization from the U.S. Environmental Protection Agency in Washington D.C., polychlorinated biphenyls (PCB) in oil from your company, as described below, were destroyed by PPM, Inc. on November 9, 1989 at its facility in Philadelphia, Pennsylvania. Any inquires should refer to the job control number referenced above.

Generator Name

S.D. Myers, Inc.
Tallmadge, OH

Manifest Number

89-178

Description of Material

5,041 gallons in bulk < 500 ppm

Ending PCB Level

< 2 ppm

Sincerely,

PPM, Inc.

By: Clark Spangler

CO8598

LOCATION OF PCB CONTAMINATED TRANSFORMERS

Tag # 4	2000 KVA (spare)		72 ppm
Tag #12	315 KVA Inductrol	Tankhouse	226 ppm
Tag #13	2000 KVA Ballast	Tankhouse	126 ppm
Tag #14	1500 KVA 460 Volt	Tankhouse	190 ppm
CENTER Tag #16	500 KVA 1 PH 460 Volt	Tankhouse	69 ppm
Tag #30	3750 KVA 4160 Volts	Ajax Heaters	69 ppm
Tag #34	2500 KVA	#2 P.M. Bldg. 80	216 ppm



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD

CHICAGO, IL 60604-3590

AUG 13 1992

Mr. Joseph M. Grana
Manager of Environmental Affairs
Cerro Cooper Products Company
3000 Mississippi Avenue
Sauget, Illinois 62202



REPLY TO THE ATTENTION OF:

SP-14J

Re: PCB Compliance Inspection
Date: April 3, 1992

Dear Sir:

A Representative of the United States Environmental Protection Agency (U.S. EPA) conducted a PCB compliance inspection at the above facility on the above date.

Based upon the data collected during that inspection, the U.S. EPA has determined that no violations of the Federal PCB regulations, 40 C.F.R. Part 761, were evident at the time of the inspection.

If you have any questions, please do not hesitate to call this office at 312-886-6906.

Sincerely,

Thelma Y. Codina, P.E., Acting Chief
PCB Control Section

CC: PT
REC
MMN
RT
JDB

Very good

gmy

TEST SURVEY RECAP

CUST# 07320000


CERRO COPPER PRODUCTS

E ST LOUIS IL

6/11/87

TC#	SUBSTATION NAME	SIZE KVA	GALLONS LIQUID TYPE	PCB CLASS	PCB DATE	LST GC KF IDP PF	SERVICE PRODUCT
4	BLOG 19 SPARE	2000	372 OIL	CONTAMINATED	12/21/79 AC AC		PCB REDUCTION ✓
8	BLOG 80	1000	470 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
9	NEW RECEIVING	1500	319 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
10	R1A	3440	1677 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
11	R1A SWITCH COMP.		70 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
12	R1B		360 OIL	CONTAMINATED	12/21/79 AC AC		PCB REDUCTION ✓
14	FOUNDRY	1500	297 OIL	CONTAMINATED	12/21/79 QU AC		PCB REDUCTION ✓
15	FOUNDRY	500	700 OIL	NON-PCB	4/18/79 QU AC		REPAIR-SEE VISUAL INSPECTION HOT OIL CLEAN
16	FOUNDRY 130	500	700 OIL	CONTAMINATED	10/17/86 QU AC		REPAIR-SEE VISUAL INSPECTION PCB REDUCTION ✓
17	FOUNDRY	500	700 OIL	NON-PCB	12/21/79 AC AC		REPAIR-SEE VISUAL INSPECTION
18	FOUNDRY AIR POLL.	2500	443 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
19	SHIPPING	1000	413 OIL	NON-PCB	4/18/79 AC AC		REPAIR-SEE VISUAL INSPECTION
24	#2 MILL	100	88 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
25	#2 MILL	100	88 OIL	NON-PCB	12/21/79 QU AC		HOT OIL CLEAN
26	#2 MILL	100	88 OIL	NON-PCB	12/21/79 QU AC		HOT OIL CLEAN
27	EXTENSION BAY	833	600 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
28	EXTRUSION BAY	833	600 OIL	NON-PCB	12/21/79 UN AC		ELECTRICAL (DOBLE) TEST DEHYDRATION
29	EXTRUSION BAY	833	600 OIL	NON-PCB	10/17/86 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
30	EXTRUSION BAY	3750	776 OIL	CONTAMINATED	12/21/79 AC AC		PCB REDUCTION ✓
31	EXTRUSION BAY	500	188 OIL	NON-PCB	12/21/79 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
32	EXTRUSION BAY	500	188 OIL	NON-PCB	10/17/86 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
33	EXTRUSION BAY	500	188 OIL	NON-PCB	10/17/86 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
34	BLOG 80	2500	521 OIL	CONTAMINATED	4/18/79 AC AC		PCB REDUCTION ✓
35	MAIN MILL	1500	294 OIL	CONTAMINATED	7/18/86 AC AC		PCB REDUCTION ✓
36	#2 MILL	2500	389 OIL	CONTAMINATED	7/18/86 AC AC		PCB REDUCTION ✓
37	BLOG 80	300	145 OIL	NON-PCB	6/23/82 AC QU		INVESTIGATE/SEE GC DATA
38	EXTRUSION BAY	1500	213 OIL	NON-PCB	6/23/82 AC AC		ACCEPTABLE DATA-RETEST 1 YEAR
39	BUILDING 19		339 OIL	NO DATA	AC AC		ACCEPTABLE DATA-RETEST 1 YEAR

CERRO COPPER PRODUCTS CO.

Other Addressees
P. Tandler
R. E. Conreaux
M. McNerney
R. W. Thompson. w/copy 

INTERNAL MEMORANDUM

File

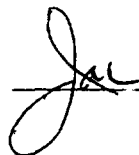
To: J. M. Grana

Date: November 7, 1991

From: J. D. Burroughs

Subject: Completion of PCB Removal

Attached is the Certificate of Disposal for the capacitors shipped from the plant on July 9, 1991. It is my understanding that this completes the removal of all major PCB contaminated items and that the only PCB items remaining might be a few of the older style light ballasts. As these items may be removed from service we must make certain that they are collected and properly prepared for disposal. I will ask Roy Thompson to assist in this followup.





TIPTON ENVIRONMENTAL TECHNOLOGY INC

P.O. Box 849, Hwy. 50 East, Tipton, MO 65081 (816) 433-5585 Fax (816) 433-2261

November 5, 1991

Joe Burroughs

Cerro Copper Products Co.
P.O. Box 66800
St. Louis, MO 63166-6800

Dear Mr. Burroughs:

Attached, please find your Certificate of Disposal for material sent to us on Manifest #30370, dated 07-09-91. This will complete the disposal of all items listed on this manifest.

For your convenience in following our tracking system I have "hi-lighted" all information pertaining to your load.

If you have any questions, please feel free to contact me at, (816) 433-5585.

Sincerely,

Ellen Bestgen
Ellen Bestgen

ENCL.

CC: Transtec Environmental, Inc.

W0#221
7-11-91

HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0038, Expires 9-30-91

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILP08001891430570		2. Page 1 of 2		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address CERRO COPPER PRODUCTS CO. PO BOX 66800 ST. LOUIS, MO 63166-6800		SITE: HWY #3, ALTON & SOUTHERN SAUGET, IL 62201		A. Manifest Document Number 0001			
4. Generator's Phone (618) 337-6000				B. State Generator's ID - other			
5. Transporter 1 Company Name TRANSTEC ENVIRONMENTAL, INC.		6. US EPA ID Number OH H-1624		C. MO. Transporter's ID		D. Transporter's Phone 216-875-1419	
7. Transporter 2 Company Name		8. US EPA ID Number		E. MO. Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address TIPTON ENVIRONMENTAL TECHNOLOGIES 1 MI. EAST HWY 50 TIPTON, MO 65081		10. US EPA ID Number MOD981506611		G. State Facility's ID HH1011		H. Facility's Phone 816-433-5585	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Weight	
a. Hazardous Substance, liquid, n.o.s., ORM-E, NA9188, (Polychlorinated biphenyls), RQ 0.454 K		0.05 C.W.		5694.5		EPA WASTE CODE NONE	
b. Hazardous Substance, liquid, n.o.s., ORM-E, NA9188, (Polychlorinated biphenyls), RQ 0.454 K		0.20 D.M.		0.0000 K		EPA WASTE CODE NONE	
c. Hazardous Substance, solid, n.o.s., ORM-E, NA9188, (Polychlorinated biphenyls), RQ 0.454 K		0.010 D.M.		0.0000 K		EPA WASTE CODE NONE	
						EPA WASTE CODE	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above					
a. NONE PCB Capacitors							
b. NONE							
c. NONE							
d.							
15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY CONTACT 216-875-1419 TT #30570 SEE MANIFEST ATTACHMENT PG 2 OF 2 FOR STORAGE DATE & ID NO. FOR 11.A-C PO #96210 (PCB manifest)							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name JOE D. BURROUGHS		Signature <i>Joe D. Burroughs</i>		Month 10		Day Year 7 1991	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>David E. Homer</i>		Month 10		Day Year 2 1991	
Printed/Typed Name DAVID E. HOMER		Signature <i>David E. Homer</i>		Month 10		Day Year 2 1991	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month		Day Year	
Printed/Typed Name		Signature		Month		Day Year	
19. Discrepancy Indication Space							
C08604							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name ELLEN L BESTGEN		Signature <i>Ellen L Bestgen</i>		Month 10		Day Year 7 1991	

[illegible]

DISTRIBUTION: BLUE TO TSDF, YELLOW TO TRANSPORTER, PINK TO GENERATOR

***FOR GENERATOR USE ONLY – ANYTHING THE GENERATOR REQUIRES FOR REPORTING OR TRACKING
TOTAL WEIGHT IN KILOGRAM COLUMN MUST MATCH MANIFEST!!!!!!

Annual Document Log & Work Order
 Tipton Environmental Technology, Inc.
 One Mile E. . . 50, P.O. Box 849
 Tipton, MO 65081
 EPA#: M00981506611

Generator: Cerro Copper Products; St. Louis, MO
 Generators US EPA ID#: 110000010914

01/01/91 to 12/31/91
 Page

1061

Work Order & Unique ID	Regulatory Description	Description	Mnft. #	Date of RFS for disposal	Date Rec'd	Weight Incoming	Weight Outgoing	Outgoing Mnft. #	Transport Date	Disposer Name	Disposal Date
221 5702	PCB Article	PCB Caps	30570	07-08-91	07-11-91	1135.0	1135.0	91165	08-19-91	Rollins Env Ser (TX)	10-20-91
221 5704	PCB Article	PCB Caps	30570	07-08-91	07-11-91	1134.0	1134.0	91165	08-19-91	Rollins Env Ser (TX)	
221 5703	PCB Article	PCB Caps	30570	07-08-91	07-11-91	1133.5	1133.5	91165	08-19-91	Rollins Env Ser (TX)	
221 5705	PCB Article	PCB Caps	30570	07-08-91	07-11-91	1147.5	1147.5	91165	08-19-91	Rollins Env Ser (TX)	
221 5701	PCB Article	PCB Caps	30570	07-08-91	07-11-91	1144.5	1144.5	91165	08-19-91	Rollins Env Ser (TX)	
TOTAL						5694.5	5694.5				

909802

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD98150661191165		Manifest Document No. 713-930-4500		2. Page 1 of 8		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Tipton Environmental Technology, Inc. 1 Mile East Highway 50 Tipton, MO 65081						A. State Manifest Document Number No 00557000			
4. Generator's Phone (816) 433-5585 (24 hour emergency number)						B. State Generator's ID 99929			
5. Transporter 1 Company Name Custom Environmental Transport				6. US EPA ID Number DEE980918858		C. State Transporter's ID 40736			
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 713-930-4500			
9. Designated Facility Name and Site Address Rollins environmental Services, TX, Inc. 2027 Battleground Road Deer Park, TX 77536						E. State Transporter's ID			
10. US EPA ID Number TXD055141378						F. Transporter's Phone			
						G. State Facility's ID 50089			
						H. Facility's Phone 713-930-2300			
11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. RQ Hazardous Substance Liquid N.O.S. ORM-E NA 9188 (PCBs)				59	DM	10066.5	K	M008 173880
	b. RQ Hazardous Substance Liquid N.O.S. ORM-E NA 9188 (PCBs)				8	CW	9100	K	M008 173880
	c. RQ Hazardous Substance Solid N.O.S. ORM-E NA 9188 (PCBs)				3	DM	276	K	M009 179430
	d.								
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
11A. HO-43593-39 PCB DM Capacitors						T07-			
11B. HO-43593-39 PCB Capacitors									
11C. HO-43624-48 PCB Debris									
15. Special Handling Instructions and Additional Information PCB MANIFEST SEE ATTACHED CONTINUATION SHEET FOR ADDITIONAL REQUIRED INFORMATION						11A. PCB-1 11B. PCB-1 11C. PCB-2			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name James S. Sidebottom					Signature <i>James Sidebottom</i>			Month Day Year 08 19 99	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials					Date			
	Printed/Typed Name JERRY PERKINS				Signature <i>Jerry Perkins</i>		Month Day Year 08 19 99		
TRANSPORTER	18. Transporter 2 Acknowledgement of Receipt of Materials					Date			
	Printed/Typed Name				Signature		Month Day Year		
FACILITY	19. Discrepancy Indication Space								
	C08607								
20. Facility Owner/Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name KATHY ROBERT					Signature <i>Kathy Robert</i>			Month Day Year 08 19 99	

GENERATOR	WORK ORDER	UNIQUE IDENTIFICATION NUMBER	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	TYPE OF PCB WASTE	KG	HO#	TX#	MO WASTE# EPA WASTE#
NASA Lewis	258	3059004	5-22-91	Drummed PCB Caps	203	43593-39	173880	PCB-1 17008
		3059007	4-23-91		204			
		3059003	5-29-91		203.5			
		3059002	5-29-91		204			
↓	↓	3059005	5-24-91		174			
Great Lakes Env.	255	57564	3-1-91		214.5			
		57563	3-1-91		251.5			
		57590	12-21-90		96.5			
		57575	3-4-91		72.5			
		57572	7-30-91		50			
		57576	3-1-91		99.5			
		57565	3-1-91		110.5			
		57562	7-12-91		123			
↓	↓	57592	7-24-91	↓	131	↓	↓	↓

TOTAL KG 2137.5

DATE 8-18-91
SIGNATURE [Signature]

809800

GENERATOR	WORK ORDER	UNIQUE IDENTIFICATION NUMBER	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	TYPE OF PCB WASTE	KG	HO#	TX#	MO WASTE# EPA WASTE#
Great Lakes Env.	255	57577	3-4-91	Drummed PCB CAPS	56.5	43593-39	173880	PCB-1 17008
		57593	7-23-91		138			
		57574	3-4-91		71			
Dynex Env.	252	31949B	7-29-91		151			
		31949A	7-29-91		152			
		60291B	6-27-91		198.5			
		60291H	6-27-91		185.5			
		60291K	6-27-91		201			
		60291J	6-27-91		216.5			
		60291D	6-27-91		162.5			
		60291I	6-27-91		180			
		60291A	6-27-91		186.5			
		60291C	6-27-91		178			
		60291E	6-27-91		159			

TOTAL KG 2236

DATE 8-18-91
SIGNATURE [Signature]

608609

GENERATOR	WORK ORDER	UNIQUE IDENTIFICATION NUMBER	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	TYPE OF PCB WASTE	KG	HO#	TX#	MO WASTE# EPA WASTE#
Dynex Env.	252	60291G	6-27-91	Drummed PCB CAPS	183.5	43593-39	173880	PCB-1 M008
↓	↓	60291F	6-27-91		179			
ENSR Oper.	257	305733	6-1-91		207			
SD Meyers	259	11381	2-25-91		151			
		1150	6-1-91		203.5			
		1152	4-20-91		166.5			
		1146	2-12-91		110.5			
		1147	1-30-91		79			
		11382	2-25-91		178.5			
		1155	7-1-91		89.5			
		11383	2-25-91		168			
		1143	6-18-91		157.5			
		11421	6-19-91		23			
↓	↓	1141	6-17-91	↓	48	↓	↓	↓

TOTAL KG 1944.5

DATE 8-18-91

SIGNATURE

James L. Davidson

019810

GENERATOR	WORK ORDER	UNIQUE IDENTIFICATION NUMBER	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	TYPE OF PCB WASTE	KG	HO#	TX#	MO WASTE# EPA WASTE#
SD Meyers	259	11422	6-19-91	Drummed PCB Caps	200	43593-39	173886	PCB-1 17008
ENSR	256	5853	7-11-91		112			
		5851	7-11-91		97.5			
↓	↓	5852	7-11-91		114.5			
US West BC	261	USW 12	7-18-91		318			
		USW 13	6-6-91		191.5			
		USW 10	5-30-91		233.5			
		USW 4	4-12-91		271.5			
		USW 11	6-3-91		225			
		USW 5	1-28-91		152.5			
		USW 6	5-11-91		243			
		USW 2	2-15-91		280			
		USW 3	5-3-91		241.5			
↓	↓	USW 1	4-2-91	↓	333	↓	↓	↓

TOTAL KG 3033.5

DATE 8-18-91

SIGNATURE [Signature]

C08611

C08612

SIGNATURE

DATE 1-18-11
Name William Williams

GENERATOR	WORK ORDER	UNIQUE IDENTIFICATION NUMBER	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	TYPE OF PCB WASTE	KG	HO#	TX#	MO WASTE# EPA WASTE#
NASA Lewis	258	3059006	5-29-91	WOOD CRATE PCB CAPS	779	43593-39	173880	PCB-1 MOD 8
ENSR	257	305722	6-1-91		1220			
↓	↓	305721	6-1-91		1406.5			
Cerro Copper Prod.	221	5702	7-8-91		1135			
		5704	7-8-91		1134			
		5703	7-8-91		1133.5			
		5705	7-8-91		1147.5			
↓	↓	5701	7-8-91	↓	1144.5	↓	↓	↓

TOTAL KG 9100

DATE 8-18-91
SIGNATURE [Signature]

C08613

C08614

DATE 8-18-91

SIGNATURE

URE James L. Dickstein

PROGRAM-ID: PTR1722
RUN DATE : 10/25/91
RUN TIME : 9:07 AM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC
CERTIFICATE OF DISPOSAL

PAGE: 1

Certificate of Disposal Stream Order Invoice Manifest Received Final
Name and Address Number Number Pounds Number Date Disposal

043593 132577 42,260 TX00557000 08/20/91 10/20/91

TIPTON ENVIRONMENTAL TECHNOLOG
1 MILE E HWY 50
P.O. BOX 849
TIPTON MO 65081
Attn: STEVE SIDEBOTTOM

Inventory Cntrl Nbr	Customer's Unique Serial Number	----- CONTAINER ----- Type	Pounds	Contents	Suff SHP Code TO Mthd	Disposal Date
001977033	5705	BOX	2,514	CAPACITOR	39	I 09/14/91
001977034	5703	BOX	2,478	CAPACITOR	39	I 10/20/91
001977035	5704	BOX	2,482	CAPACITOR	39	I 09/13/91
001977036	5702	BOX	2,490	CAPACITOR	39	I 09/12/91
001977037	5701	BOX	2,510	CAPACITOR	39	I 09/13/91
001977038	57590	30SD	212	CAPACITOR	39	I 09/14/91
001977039	57575	30SD	158	CAPACITOR	39	I 09/14/91
001977040	57577	30SD	124	CAPACITOR	39	I 09/14/91
001977041	57574	30SD	156	CAPACITOR	39	I 09/14/91
001977042	57572	30SD	114	CAPACITOR	39	I 09/14/91
001977043	57576	30SD	218	CAPACITOR	39	I 09/14/91
001977044	57563	85SD	554	CAPACITOR	39	I 09/02/91
001977045	57564	85OP	468	CAPACITOR	39	I 09/02/91
001977046	57593	55SD	302	CAPACITOR	39	I 09/02/91
001977047	57565	55SD	252	CAPACITOR	39	I 09/02/91
001977048	60291K	55SD	442	CAPACITOR	39	I 09/02/91
001977049	60291B	55SD	426	CAPACITOR	39	I 09/02/91
001977050	57592	55SD	286	CAPACITOR	39	I 09/02/91
001977051	57562	55SD	272	CAPACITOR	39	I 09/02/91
001977052	60291F	55SD	392	CAPACITOR	39	I 09/02/91
001977053	60291E	55SD	350	CAPACITOR	39	I 09/02/91
001977054	60291J	55SD	474	CAPACITOR	39	I 08/31/91
001977055	60291H	55SD	408	CAPACITOR	39	I 08/31/91
001977056	60291D	55SD	358	CAPACITOR	39	I 08/31/91
001977057	60291I	55SD	392	CAPACITOR	39	I 08/31/91
001977058	60291C	55SD	390	CAPACITOR	39	I 08/31/91
001977059	60291A	55SD	410	CAPACITOR	39	I 08/31/91
001977060	USW3	55SD	572	CAPACITOR	39	I 08/31/91
001977061	60291G	55SD	406	CAPACITOR	39	I 08/31/91
001977062	31949A	55SD	334	CAPACITOR	39	I 08/31/91
001977063	31949B	55SD	332	CAPACITOR	39	I 08/31/91
001977064	USW10	55SD	512	CAPACITOR	39	I 08/31/91
001977065	USW13	55SD	420	CAPACITOR	39	I 08/31/91
001977066	USW9	55SD	548	CAPACITOR	39	I 08/31/91

C08615

PROGRAM-ID: PTR1722 ROLLINS ENVIRONMENTAL SERVICES (TX) INC
 RUN DATE : 10/25/91 CERTIFICATE OF DISPOSAL
 RUN TIME : 9:07 AM

PAGE: 2

 Certificate of Disposal Stream Order Invoice Manifest Received Final
 Name and Address Number Number Pounds Number Date Disposal

 TIPTON ENVIRONMENTAL TECHNO 043593 132577 42,260 TX00557000 08/20/91 10/20/91

Inventory Cntrl Nbr	Customer's Unique Serial Number	----- CONTAINER ----- Type	Pounds	Contents	Suff SHP Code TO	Disposal Mthd Date
001977067	USW1	55SD	730	CAPACITOR	39	I 08/31/91
001977068	USW12	55SD	694	CAPACITOR	39	I 08/31/91
001977069	USW5	55SD	332	CAPACITOR	39	I 08/31/91
001977070	USW4	55SD	592	CAPACITOR	39	I 08/31/91
001977071	USW7	55SD	512	CAPACITOR	39	I 08/31/91
001977072	USW2	55SD	640	CAPACITOR	39	I 08/31/91
001977073	USW6	55SD	508	CAPACITOR	39	I 08/31/91
001977074	USW8	55SD	526	CAPACITOR	39	I 09/02/91
001977075	USW11	55SD	476	CAPACITOR	39	I 09/02/91
001977076	11422	55SD	440	CAPACITOR	39	I 03/02/91
001977077	1141	55SD	102	CAPACITOR	39	I 09/02/91
001977078	1155	55SD	196	CAPACITOR	39	I 08/31/91
001977079	11383	55SD	370	CAPACITOR	39	I 08/31/91
001977080	1147	55SD	174	CAPACITOR	39	I 08/31/91
001977081	1146	55SD	244	CAPACITOR	39	I 08/31/91
001977082	11421	55SD	52	CAPACITOR	39	I 08/30/91
001977083	1143	55SD	342	CAPACITOR	39	I 08/30/91
001977084	1152	55SD	366	CAPACITOR	39	I 08/30/91
001977085	11381	55SD	332	CAPACITOR	39	I 08/30/91
001977086	1150	55SD	446	CAPACITOR	39	I 09/02/91
001977087	11382	55SD	392	CAPACITOR	39	I 09/02/91
001977088	5853	55SD	254	CAPACITOR	39	I 09/02/91
001977089	5851	55SD	216	CAPACITOR	39	I 09/02/91
001977090	5852	55SD	248	CAPACITOR	39	I 09/02/91
001977091	305733	55SD	456	CAPACITOR	39	I 09/02/91
001977092	3059005	55SD	380	CAPACITOR	39	I 09/19/91
001977093	3059004	55SD	446	CAPACITOR	39	I 09/19/91
001977094	3059002	55SD	448	CAPACITOR	39	I 10/20/91
001977095	3059003	55SD	446	CAPACITOR	39	I 09/19/91
001977096	3059007	55SD	446	CAPACITOR	39	I 10/20/91
001977097	3059006	BOX	1,712	CAPACITOR	39	I 09/13/91
001977098	305722	BOX	2,678	CAPACITOR	39	I 09/13/91
001977099	305721	BOX	3,066	CAPACITOR	39	I 09/14/91

Total Containers : 67 42,018

C08616

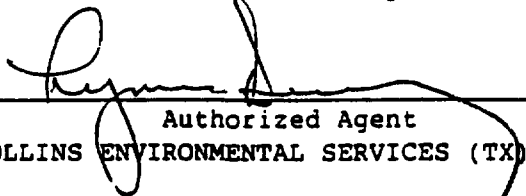
PROGRAM-ID: PTR1722 ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 10/25/91 CERTIFICATE OF DISPOSAL
RUN TIME : 9:07 AM

PAGE: 3

* Disposal Methods : *
* 'I' - Waste that was incinerated. *
* 'L' - Waste that was landfilled. *
* Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC *
* (Incinerated Waste) PO BOX 609 *
* DEER PARK TX 77536 *
* EPA ID: TXD055141378 *
*

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.



Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

C08617

are as

Other Addressees

P.Tandler
J.Burroughs

File

O COPPER PRODUCTS CO.

INTERNAL MEMORANDUM

To: Roy Thompson

Date: May 14, 1991

From: J. M. Grana

Subject: Annual PCB Record Update

As required by TSCA regulations, you update the PCB log sheet by
1. During 1990 there was extensive removal of PCB material from
as the result of the Dead Creek cleanup. Below for your records
the following data.

71.6 Tons of PCB contaminated (PCB ppm>50ppm) soil and sediment was
removed from Cerro. This equates to 33,943,200 lbs or 15,396,395 kg.

The PCB material was disposed of in Chemical Waste Management's
Alabama landfill.



GENERATOR COPY - PART 6

IMPORTANT

SEE INSTRUCTIONS SHOULD PART 1 & 2 FAIL TO RETURN

marked,
actionable
environment

Year

81

Year

81

Year

81

Year

81

Year

81

Year

81

C08618

PRO NUMBER

30570

Tractor: 7288

Empty Miles

Trailer: 7814

Loaded Miles

Total Miles

Bill To:

Ceres Copper

P.O. Box 66700

Attn:

63166-2800

If trip is less than 150 miles

Start Time:

Finish Time:

CST: USE BACK OF FORM FOR ADDITIONAL
COMMENTS OR BREAKDOWN OF ON SITE
HOURS.

COMMENTS:

Driver Signature:

[Signature]

ALL TRAILERS MUST HAVE SEALED SPEC EQUIPMENT BOX AND PLATFORM TRAILERS MUST ALSO CARRY AN EMPTY SALVAGE DRUM.

TRANSTEC
ENVIRONMENTAL1501 RAFF ROAD, S.W.
CANTON, OHIO 44710
216-477-6888

Pick-up Date

7-8-91 Time 5A

Shipper:

Ceres Copper Prod. Co.
Hwy #3 Alton + Southern
Sanger, IL 62201

Delivery Date

Time

Consignee:

Tipton Environmental
Tipton Mo

Contact:

Mike Moldovan

Phone:

618-337-6000 ext. 241

Cust. P.U.

Directions:

Contact:

Phone:

816-433-5585

Cust. Del.

Directions:

Arrive 7-8
Load 7-8
Finish 12:45 7-9

Signature:

Ken Thompson

Date: 7-9-91 Time: 11:45

Arrive

Load

Finish

Consignee Signature:

Date: Time:

Hazard Mat.	Quantity	Gal. lbs. Drums	Commodity	Type of Placard	Safety/Special Instructions	Circle PCB Level
yes	6	Cap Box	capacitors	PCB	S PCL Handling	G B R
						G B R
						G B R
						G B R
						G B R

NOTES: (A) DRIVERS ARE RESPONSIBLE FOR CHECKING HAZARDOUS AND FUEL PERMITS BEFORE DEPARTURE

(B) CALL DISPATCH WITH ANY DISCREPANCY BETWEEN WORK ORDER AND ON SITE ITEMS

(C) USE MULTIPLE SITE PICK-UP FORMS ENCLOSED IF NEEDED

(D) MP AND HOSE COLOR CODES: G - GREEN 10-50PPM; B - BLUE 51-2600PPM; R - RED 2601-OVER PPM DO NOT MIX!

*(E) TOWED MILES BEGIN AT FIRST PICK-UP SITE

RFV 10/20/89

C08621

Date 7-1-94

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at End of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	" "	" "	" "	" "
PCB Capacitors	" "	" "	" "	" "

Roy Thompson

Date 6-4-93

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at En of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	10 11	11 11		
PCB Capacitors	11 11	11 11	11 11	11 11

Roy Thompson

Date 3-16-92

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at End of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	NONE	NONE	NONE	NONE
PCB Capacitors	NONE	NONE	NONE	NONE

- (A) Tube Mill South & Tube Mill North
(B) Induction Heaters at Press

Roy Thompson

Date 6-25-91

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at End of Year
PCBs/PCB Items in Containers	15,396.395 REMOVED FROM DEAD CREEK		15,396.395 KG CHEMICAL WASTE EMELLE ALABAMA LANDFILL	NONE
PCB Transformers	NONE	NONE	NONE	NONE
PCB Capacitors	NONE	NONE		WEIGHT PER CAP. 3148 KG TOTAL

(A) ~~Tube Mill South & Tube Mill North~~

(B) Induction Heaters at Press

Ray Thompson

65001000

REMOVED FROM

PLANT 7-9-91

C08625

Date 6-30-90

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at End of Year
Bs/PCB Items in Containers	NONE	NONE	NONE	NONE
B Transformers	(1)))	(())	(())	(())
B Capacitors	(())	(())	(())	WEIGHT PER CAP. 3148 KILBGRAM 65 (B)

Roy Thompson

(A) ~~Tube Mill South & Tube Mill North~~

(B) Induction Heaters at Press

C08626

Date 6-30-89

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at End of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	(1)))	(())	(())	(())
PCB Capacitors	(())	(())	(())	WEIGHT PER CAP 3148 KILOGRAM 65 (B)

(A) ~~Tube Mill South & Tube Mill North~~

(B) Induction Heaters at Press

Roy Thompson

C08627

Date 6-3-88

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
CB Transformers	" "	" "	" "	" "
CB Capacitors	NONE	NONE	NONE	WEIGHT PER. CAP. 31.18 KILOGRAMS 65 (E)

(B) Induction Heaters at Press

Roy Thompson

C08628

Date 5-1-87

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
CB Transformers	" "	" "	" "	" "
CB Capacitors	NONE	NONE	NONE	WEIGHT PER. CAP. 31.18 KILOGRAMS 65 (E)

(B) Induction Heaters at Press

Roy Thompson

C08629

CERRO COPPER PRODUCTS Co.

A MEMBER OF THE MARMON GROUP
SAUGET, ILLINOIS

TICKET

No 283746

TRAILER

CHICAGO

No.

INDUSTRIAL WASTE HANDLING

IDENTIFICATION

0419 00 00 11

0419 14 11:10

WEIGHT

0 3 4 8 2 0

TARE
lbs. GROSS

0 4 6 5 8 0

GROSS
lbs. TARE

11760

lbs. NET

From:

To:

PCB INC. OF MO.
CHICAGO INDUSTRIAL
WASTE HANDLING
K.C. MO.

Load of:

DISTILLED TRANSFORMER OIL

Weigher (In)

Francis

Date

Weigher (Out)

Francis

Date

B/L Weight

B/L Seals

ACT Seals

Remarks:

IN

☒

☐

☐

☐

WEATHER

Clear

Rain

Snow

Windy

OUT

☒

☐

☐

☐



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

230 SOUTH DEARBORN ST.

CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

5S-P&TSB-16

JUL 29 1985

Mr. Paul Tandler
Vice President, Manufacturing
CERRO Copper
P.O. Box 681
East St. Louis, Illinois 62202

Dear Mr. Tandler:

The U.S. Environmental Protection Agency (U.S. EPA) is engaged in a nation-wide program of inspections to determine compliance with the final Rule for Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions. These regulations are set forth in 40 CFR 761 (Federal Register, May 31, 1979, pp. 31514-68 and amended by the Federal Register of August 25, 1982).

Section 11 of the Toxic Substances Control Act (TSCA, 15 USC 2601 et seq.) provides the authority for inspections in administering the PCB Regulations.

It is our understanding that your company possibly handles or has handled PCBs in its operations which are defined to include PCB chemical substances, PCB mixtures, PCB articles, PCB equipment, PCB containers, etc. Inspectors Greg Czajkowski and Marcie Kleban will meet with you on Tuesday, August 6, 1985, at approximately 2:00 p.m. to inspect your facility. If you have any questions, please call me at (312) 353-2291.

Sincerely,

[Signature]
John Connell, Chief
PCB Unit
Toxic Substances Section

Roy -
I believe your records are more complete than mine on PCB's - please have them available for this meeting.
Sandy

C08631

UNIFORM HAZARDOUS WASTE MANIFEST		21. Generator's US EPA ID No. jjILD080018914		Manifest Document No. 3612		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address Cerro Copper Highway 3, Mississippi Ave. Alton & South Railroad Tracks Sauget, IL. 62201						A. State Manifest Document Number								
4. Generator's Phone (618) 337-6000						B. State Generator's ID								
5. Transporter 1 Company Name Chicago Industrial Waste Haulers						6. US EPA ID Number ILD980794960								
7. Transporter 2 Company Name						8. US EPA ID Number								
9. Designated Facility Name and Site Address PCB Inc., of Missouri 45 Ewing St. Kansas City, Ks. 66108						10. US EPA ID Number KSD980963565								
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.		
a. WASTE POLYCHLORINATED BIPHENYLS (OIL) ORM-R UN2315 (RQ-10/4.54)						001 TT		11,200		G				
b.														
c.														
d.														
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above								
15. Special Handling Instructions and Additional Information CONTACT (605) 256-6254 IF SPILLAGE OCCURS/PREVENT PERSONAL CONTACT/DAM UP SPILLS/PREVENT WATER CONTAMINATION.														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.														
Printed/Typed Name Cerro Copper					Signature					Month Day Year 10/1/86				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name Chicago Ind. Waste Haulers David Miller					Signature					Month Day Year 10/1/86				
18. Transporter 2 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.														
Printed/Typed Name PCB Inc., of Missouri					Signature					Month Day Year				

C08632

GENERATOR COPY

UNIFORM HAZARDOUS WASTE MANIFEST		21. Generator's US EPA ID No. 1JILD080018914		Manifest Document No. 3612		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
		3. Generator's Name and Mailing Address Cerro Copper Highway 3, Mississippi Ave. Alton & South Railroad Tracks		4. Generator's Phone (618) 337-6000		5. State Manifest Document Number		6. State Generator's ID						
5. Transporter 1 Company Name Chicago Industrial Waste Haulers		6. US EPA ID Number ILD980794960		7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID						
9. Designated Facility Name and Site Address PCB Inc., of Missouri 45 Ewing St. Kansas City, Ks. 66108		10. US EPA ID Number KSD980963565		D. Transporter's Phone (913) 371-4058		E. State Transporter's ID		F. Transporter's Phone						
				G. State Facility's ID		H. Facility's Phone (913) 371-4058								
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.						
a. HM RQ WASTE POLYCHLORINATED BIPHENYLS (OIL) ORM-R UN2315 (RQ-10/4.54)		No. 001 Type TT		11,200		G								
b.														
c.														
d.														
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above												
15. Special Handling Instructions and Additional Information CONTACT (605) 256-6254 IF SPILLAGE OCCURS/PREVENT PERSONAL CONTACT/DAM UP SPILLS/PREVENT WATER CONTAMINATION.														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.														
Printed/Typed Name Cerro Copper					Signature <i>[Signature]</i>					Month Day Year 10/1/86				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name Chicago Ind. Waste Haulers David Miller					Signature <i>[Signature]</i>					Month Day Year 10/1/86				
18. Transporter 2 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.														
Printed/Typed Name PCB Inc., of Missouri					Signature <i>[Signature]</i>					Month Day Year				

Date 6-28-1986

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	(())	(())	(())	(())
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER CAP 31.18 KILOGRAM 65 (B)

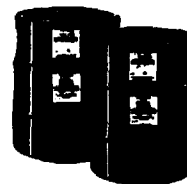
(B) Induction Heaters at Press

Roy Thompson

C08634

EPA ID MOD#980633044

P.C.B., INC.
OF
MISSOURI



Certificate of Destruction

P.C.B., Inc. Of Missouri has destroyed waste received from CERRO COPPER

as identified in hazardous Waste Manifest # 3860

and hereby certifies such destruction as of this

24th day of September 1986

Generator Cerro Copper

By A.C. Schamel

Address P.O. Box 681

Title President

East St. Louis, IL 62202

C08635



217/782-6761

Date: SEP 8 1986

Dear Environmental Coordinator:

The enclosed manifest copy was sent to us in error. The Illinois Environmental Protection Agency should be sent only the green - Part 5 copy by the company generating the waste, and only the yellow - Part 2 copy from the facility accepting the waste. Please familiarize yourself with the below listed distribution information to avoid future problems.

DISTRIBUTION - After the generator and transporter have completed their respective items and have signed the manifest, the generator should pull the last two copies prior to releasing the manifested load to the transporter. The Generator must keep the yellow - Part 6 copy and forward the green - Part 5 copy to the Illinois Environmental Protection Agency within two (2) working days of the load being shipped.

When the designated facility (site) receives the manifested waste, the owner or operator, or his Agent, must sign and date the manifest to certify the waste covered by the manifest was received and immediately give the transporter the gold - Part 4 copy. Within thirty (30) days, the site must send the yellow - Part 2 copy of each completed, signed manifest received during that period to the Illinois Environmental Protection Agency and the original white - Part 1 to the generator. The remaining pink - Part 3 copy must be retained by the facility for at least three years. The original white - Part 1 is to be retained by the generator for a minimum of three (3) years.

If you have any questions, please feel free to contact me at 217/785-2361.

Sincerely,

A handwritten signature in cursive script that reads "Cynthia D. Ladage".

Cynthia D. Ladage
Compliance Assurance Unit
Compliance Monitoring Section
Division of Land Pollution Control

CDL:tk/47

Enclosure(s)

CERRO COPPER PRODUCTS Co.

A MEMBER OF THE MARMON GROUP
SAUGET, ILLINOIS

TICKET

No 306781

TRAILER USPC1

No. 618

37 22 IDENTIFICATION

0 5 8 7 2 0 =

~~0 5 1 4 0 0~~ =

lbs. GROSS

5 8 22 AM 8:33

0 5 1 4 0 0 =

lbs. TARE

7320

lbs. NET

From: _____ To: _____

Load of: Waste Oil PCV.

Weigher (In) M Date _____ Weigher (Out) M Date _____

B/L Weight _____

B/L Seals _____

ACT Seals _____

Remarks:

C08638

IN

☒

☐

☐

☐

WEATHER

Clear

Rain

Snow

Windy

OUT

☒

☐

☐

☒



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD080018914	Manifest Document No. 801	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address CERRO COPPER PRODUCTS CO. P.O. Box 681, E. St. Louis, IL 62202				A. Illinois Manifest Document Number IL 1791784		
4. Generator's Phone (618) 337-6000		6. US EPA ID Number OKD981514474		B. Illinois Generator's ID 1 6 3 1 2 1 0 0 0 8		
5. Transporter 1 Company Name USPCI		8. US EPA ID Number		C. Illinois Transporter's ID H-1 0 2 4		
7. Transporter 2 Company Name		10. US EPA ID Number		D. (405 528-8371) Transporter's Phone		
9. Designated Facility Name and Site Address PPH, INC. 1628 W. 9th St. Kansas City, MO 64101		12. Containers No. Type 18 D M		E. Illinois Transporter's ID (816) 221-6826		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		13. Total Quantity 99.06		F. Facility's ID 0 4 1 0 4		
a. Waste Hazardous Substance Liquid N.O.S. ORM-E, NA9188 (Polychlorinated Biphenyls) RQ Oil		14. Unit WT/Vol		G. Facility's Phone (816) 221-6826		
b.		15. Containers		H. Waste No.		
c.		16. EPA HW Number		I. Authorization Number		
d.		17. EPA HW Number		J. Authorization Number		
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above In Item #14 1 = Gallons 2 = Cubic Yards				
15. Special Handling Instructions and Additional Information PICK-UP SITE: Hwy. 3, Alton & Southern Tracks, Saugat, IL Dike and contain In case of emergency in case of spill. contact: John Swanson CONTACT PERSON: Dave Durham/Roy Thompson @618-337- at: 816-221-6826 PICK-UP DATE: 10/22/87 PCB MANIFEST 6000						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name Roy Thompson		Signature <i>[Signature]</i>		Date 10 22 87		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Date 10 22 87		
Printed/Typed Name William R. Brown Jr.		Signature <i>[Signature]</i>		Date 10 22 87		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Date		
19. Discrepancy Indication Space C08636						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature		Date		
Printed/Typed Name		Signature		Date		

IN ILLINOIS: 217 / 782-3637

24 HOURS EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 4 TRANSPORTER PART - 5 IEPA PART - 6 GENERATOR

REV. 85 GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require, pursuant to Illinois Revised Statutes, 1983, Chapter 111, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or generator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

IEPA COPY - PART 5

CERRO COPPER PRODUCTS CO.

SAUGER WORKS
P.O. BOX 681
EAST ST. LOUIS, ILL. 62202

THIS NUMBER MUST APPEAR ON ALL
INVOICES, LABELS, PACKING LISTS &
SHIPPING PAPERS

NO. **74742**
PURCHASE ORDER

TO
SENT

SPM 80
100-2-10-1
Nov 18 1987
at 10:00 AM

STATION

CERRO COPPER PRODUCTS CO.
EAST ST. LOUIS, ILL. 62202
SAUGER ILL. 62202

8497-1-463

Date of Receipt

Date of

8-18-87

9-18-87

7-12-87

1/10

Roy Thompson

Form

NF-6

Class

100-2-10-1

PLEASE ENTER OUR ORDER INFORMATION ON THE SHIPMENT DOCUMENTS

QUANTITY	DESCRIPTION	UNIT	PRICE	TOTAL
	<i>DISPOSE OF 18 BARRELS OF</i>			
	<i>TRANSFORMER OIL PCB 50167</i>			
	<i>SPM</i>			
		<i>freight</i>	<i>400.00</i>	<i>400</i>
	<i>Contact Roy Thompson upon arrival</i>			
	<i>Confirming</i>			
				<i>2090</i>

Mech. Description: *TRANSFORMER OIL*

Ordered By: *Roy Thompson*

YOUR PRICES MUST BE EXCLUSIVE OF ALL TAXES ANY APPLICABLE TAX WHICH
YOU ARE REQUIRED TO COLLECT MUST BE SHOWN AS A SEPARATE ITEM ON ALL
QUOTATIONS & INVOICES

MAIL INVOICE IN DUPLICATE TO:

P.O. BOX 681

EAST ST. LOUIS, ILL. 62202

CERRO COPPER PRODUCTS CO.

A member of The Marmora Group of companies

VENDOR	PURCHASING	ACCOUNTING	RECEIVING	REQUISITION	EXTRA	EXTRA
WHITE	GREEN	YELLOW	PINK	BLUE	SALMON	GOLD

Roy Thompson
BUYER

C08639



U.S.
POLLUTION
CONTROL, INC.

SUITE 400 SOUTH
2000 CLASSEN CENTER
OKLAHOMA CITY, OKLA. 73106

PHONE: OKLA. CITY - (405) 528-8371
TULSA - (918) 446-2786

OCC. MC-27491 & DSD-167
OSDH: SD 47002, 2-14 & 2004
EPA ID: OKT 410010474
OKT 410010466
ICC. MC 153414

No. 35230

LOAD TICKET

CUSTOMER

DATE

11/12/91

OFFICE USE ONLY

DISPOSAL PLAN NO.

CUSTOMER NO.

SHIP
FROM

ADDRESS

CITY AND STATE

ZIP CODE

P.O. NO.

CHARGES

BILL
TO

ADDRESS

CITY AND STATE

ZIP CODE

☐ Same
As
Above

ATTENTION

MANIFEST NO.

DISPOSAL SITE

UNIT NO.

USPCI DRIVER

AMOUNT

☐ Yds

☐ Gals.

TIME START

FINISH

TOTAL TIME

DEMURRAGE TIME

☐ Bbls.

☐ Lbs.

2:30 AM

Hrs.

Hrs.

DESCRIPTION

Waste Code No.

WASTE 1142 Substance Unknown NOS

Waste Code No.

DEM-A NA9135

PO # 74742

AGREEMENT

Customer agrees to indemnify and save harmless United States Pollution Control, Inc. (USPCI), its agents and employees, against any and all liabilities, obligations, claims, losses, and expenses (1) caused or created by Customers, its sub-contractors, or the agents and employees of either, whether negligent or not, arising out of work hereunder, or (2) arising out of injuries (including death) suffered or allegedly suffered by employees of Customer or its sub-contractors (a) in the course of their employment, or (b) in the performance of work hereunder, due to the failure of Customer, or their sub-contractors, or anyone directly or indirectly employed by them or any of them to act with due care while engaged in the performance of work contemplated by this Agreement. Further, in connection with the work hereunder, Customer shall indemnify and save harmless USPCI and the owner of any real property upon which the work is to be performed against any liability to sub-contractors or other third persons under the mechanics, materialmen, labor or other applicable lien laws of the State in which the work is to be performed.

I have read and understand the terms of this Agreement and represent that I am authorized to sign the same as agent of Customer.

Signed By

CUSTOMER REPRESENTATIVE

USPCI-109-B

CUSTOMER - NOT AN INVOICE

C08640



U.S.
POLLUTION
CONTROL, INC.

SUITE 400 SOUTH
2000 CLASSEN CENTER
OKLAHOMA CITY, OKLA. 73106

PHONE: OKLA. CITY - (405) 528-8371
TULSA - (918) 446-2789

OCC: MC-27491 & DSD-167
OSDH: SD 47002, 2-14 & 2004
EPA ID: OKT 410010474
OKT 410010466
ICC: MC 153414

No. 35230

LOAD TICKET

CUSTOMER

SHIP
FROM

BILL
TO

☐ Same
As
Above

MANIFEST NO.

DISPOSAL SITE

UNIT NO.

USPCI DRIVER

AMOUNT

☐ Yds

☐ Gals

TIME START

FINISH

TOTAL TIME

DEMURRAGE TIME

DESCRIPTION

Waste Code No.

Waste Code No.

AGREEMENT

Customer agrees to indemnify and save harmless United States Pollution Control, Inc. (USPCI), its agents and employees, against any and all liabilities, obligations, claims, losses, and expenses (1) caused or created by Customers, its sub-contractors, or the agents and employees of either, whether negligent or not, arising out of work hereunder, or (2) arising out of injuries (including death) suffered or allegedly suffered by employees of Customer or its sub-contractors (a) in the course of their employment, or (b) in the performance of work hereunder, due to the failure of Customer, or their sub-contractors, or anyone directly or indirectly employed by them or any of them to act with due care while engaged in the performance of work contemplated by this Agreement. Further, in connection with the work hereunder, Customer shall indemnify and save harmless USPCI and the owner of any real property upon which the work is to be performed against any liability to sub-contractors or other third persons under the mechanics, materialmen, labor or other applicable lien laws of the State in which the work is to be performed.

I have read and understand the terms of this Agreement and represent that I am authorized to sign the same as agent of Customer.

Signed By

CUSTOMER REPRESENTATIVE

USPCI-109-B

CUSTOMER - NOT AN INVOICE

OFFICE USE ONLY

CUSTOMER NO.

P.O. NO.

CHARGES

DISBURSEMENT

C08640



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD080018914	Manifest Document No. 801	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.			
3. Generator's Name and Mailing Address CERRO COPPER PRODUCTS CO. P.O. Box 681, E. St. Louis, IL 62202				A. Illinois Manifest Document Number IL 1791784				
4. Generator's Phone (618) 337-6000				B. Illinois Generator's ID 1 6 3 1 2 1 0 0 0 8				
5. Transporter 1 Company Name USPCI		6. US EPA ID Number OKD981514474		C. Illinois Transporter's ID H01 H-11101214				
7. Transporter 2 Company Name		8. US EPA ID Number		D. (405) 528-8371 Transporter's Phone				
9. Designated Facility Name and Site Address PPM, INC. 1628 W. 9th St. Kansas City, MO 64101		10. US EPA ID Number MOD069277549		E. Illinois Transporter's ID F. () Transporter's Phone				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.	
a. HM Waste Hazardous Substance Liquid N.O.S. ORM-E, NA9188 (Polychlorinated Biphenyls) RQ Oil				18 D M	99.0 G		EPA HW Number XX Authorization Number	
b.							EPA HW Number XX Authorization Number	
c.							EPA HW Number XX Authorization Number	
d.							EPA HW Number XX Authorization Number	
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above In Item #14 1 = Gallons 2 = Cubic Yards				
15. Special Handling Instructions and Additional Information Dike and contain In case of emergency in case of spill. contact: John Swanson CONTACT PERSON: Dave Durham/Roy Thompson @618-337- at: 816-221-6826 PICK-UP DATE: 10/22/87 PCB MANIFEST 6000				PICK-UP SITE: Hwy. 3, Alton & Southern Tracks, Sauget, IL				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.								
Printed/Typed Name Roy Thompson				Signature Roy Thompson		Date Month Day Year 10 22 87		
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Edwin R. Benson		Signature Edwin R. Benson		Date Month Day Year 10 22 87
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Date Month Day Year
19. Discrepancy Indication Space sh Facility id # 929095 10/Transporter id # 1246 11a. receiving weight 7,460 lbs C08641								
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.								
Printed/Typed Name Farren Boley				Signature Farren Boley		Date Month Day Year 10 22 87		

IN ILLINOIS: 217 / 782-3637

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 4 TRANSPORTER PART - 5 IEPA PART - 6 GENERATOR

REV. 86

GENERATOR COPY - PART 1- DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require, pursuant to Illinois Revised Statutes, 1983, Chapter 111 1/2, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.					
3. Generator's Name and Mailing Address CERRO COPPER PROD P.O. BOX 681 51 ST. LOUIS IL 62202						A. Illinois Manifest Document Number IL 1628253							
4. Generator's Phone (618) 337-6000						B. Illinois Generator's ID							
5. Transporter 1 Company Name S.D. MYERS INC				6. US EPA ID Number 10H D044946127		C. Illinois Transporter's ID							
7. Transporter 2 Company Name				8. US EPA ID Number		D. () Transporter's Phone							
9. Designated Facility Name and Site Address S.D. MYERS INC 180 SOUTH AVE TALLMADGE OH 44278				10. US EPA ID Number 10H D044946127		E. Illinois Transporter's ID							
						F. () Transporter's Phone							
						G. Illinois Facility's ID							
						H. Facility's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a. WASTE POLYCHLORINATED BIPHENYL ORME-E, UN2315, RQ 7500 ppm						No. 1 Type 1100 GAL						EPA HW Number	
b.												EPA HW Number	
c.												EPA HW Number	
d.												EPA HW Number	
J. Additional Descriptions for Materials Listed Above. 58 ppm 1260						K. Handling Codes for Wastes Listed Above In Item #14 1 = Gallons 2 = Cubic Yards							
15. Special Handling Instructions and Additional Information JOB SITE OF GENERATED WASTE													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.													
Printed/Typed Name ROY THOMPSON						Signature Roy Thompson						Date 08/05/86	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name SCOTT MYERS						Signature Scott Myers						Date 08/05/86	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name S.D. Myers Walter J Breth						Signature Walter J Breth						Date 08/05/86	
19. Discrepancy Indication Space C08642 1UG 22 1986													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Walter J Breth						Signature Walter J Breth						Date 08/19/86	

IN ILLINOIS: 217 / 782-3637

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 4 TRANSPORTER PART - 5 IEPA PART - 6 GENERATOR

REV #6

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require pursuant to Illinois Revised Statutes, 1983, Chapter 111 1/2, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

RE: PCB CONTENT RESULTS

Gentlemen:

Enclosed with this letter are the results of your PCB tests.

Please note that the Federal Register (Vol. 44, no. 106, May 31, 1979 p. 31517) defines these three classes of transformers: (1) PCB transformers (those units containing 500 PPM or greater PCB's); (2) PCB-contaminated transformers (those units containing 50-500 PPM PCB) and (3) non-PCB transformers (those units containing less than 50 PPM PCB).

We have provided as an additional service to you color-coded labels for your transformers. These colors are: (1) YELLOW... for PCB equipment; (2) ORANGE... for PCB-contaminated equipment; and (3) GREEN... for non-PCB equipment. Only those units in category (1), PCB equipment, are required by the EPA to have labels.

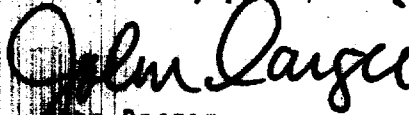
The same Federal Register (pg. 31538) states: "EPA will not consider it to be good judgement to assume that the sample has less than 50 PPM PCB because the experimental error of the procedure overlaps the cut-off point. Through experimental data and by cross-checking with other laboratories, we have determined a deviation of plus or minus 10%. For this reason we have established our limits as below 45 PPM for non-PCB's, 45-450 PPM for PCB-contaminated oil and 450+ for PCB transformer oil

A point to remember is that all samples other than transformer oil are classified as PCB's at 50 PPM or more.

A few of your test results may be reported using the following terms or abbreviations:

- ND - None Detected
- Trace - Less than 1 PPM
- UP - Unidentified Peaks - the result from the chromatogram displayed major peaks NOT ASSOCIATED with PCB's normally found in electrical transformer fluid.

Very truly yours,


John Dargie
Regional Sales Manager

JD/lm

Enclosures: Updated masters--file and discard any prior copies
Colored labels--apply to respective transformer

C08643



10 CENTRAL AVENUE
KANSAS CITY, KANSAS 66118
(913) 621-4206
TELEX NO. 434-607

CERTIFICATION OF DECONTAMINATION

To: Cerro Copper Products Company PPM Job Control Number: 70785
Post Office Box 681
East St. Louis, Illinois 62202
ATTN: Roy Thompson

Decontamination Batch Number: 87-172

This is to inform you that in accordance with 40 CFR 761.60 (e), and PPM, INC.'s authorization from the U.S. Environmental Protection Agency in Washington D.C., polychlorinated biphenyls (PCB) in oil from your company, as described below, were destroyed by PPM, INC. on December 10, 1987 at its facility in Kansas City, Missouri. Any inquiries should refer to the PPM job control number referenced above.

Generator Name

Cerro Copper Products Co.

Manifest Number

801

Description of Material

18 drums of oil - < 500 ppm

Ending PCB Level

< 2 ppm

Sincerely,

PPM, INC.

By: Robert Blahbe...

C08644



S.O. # 03-0934

O BOX 1927

SPRINGFIELD, ILL. 62794-9276 (217) 782-6761

SHIPMENT OF HAZARDOUS, INFECTIOUS
AND SPECIAL WASTE.

Cust # 07320000

State Form LPC 62 8/81

IL532-0610

PLEASE TYPE

(Form designed for use on elite (11 pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address Cerro Copper Products P.O. Box 681/E. St. L. 62202		Location If Different:		6. US EPA ID Number OH D 0 5 3 5 7 6 2 9 4		A. Illinois Manifest Document Number 11-4140708		B. Illinois Generator's ID#	
4. Generator's Phone (518) 337-0000		5. Transporter 1 Company Name S. D. Myers, Inc.		6. US EPA ID Number OH D 0 5 3 5 7 6 2 9 4		C. Illinois Transporter's ID#		D. (216) 635-2000 Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address S. D. Myers, Inc. 183 South Ave. Tallmadge, OH 44278		10. US EPA ID Number OH D 0 5 3 5 7 6 2 9 4		E. Illinois Transporter's ID# F. (216) 635-2000 Transporter's Phone	
9. Designated Facility Name and Site Address S. D. Myers, Inc. 183 South Ave. Tallmadge, OH 44278		10. US EPA ID Number OH D 0 5 3 5 7 6 2 9 4		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ (1/.45), Hazardous Substance, Liquid, N.O.S., ORM-E, NA9188, (Polychlorinated Biphenyls)		12. Containers No. Type XX 1 T		13. Total Quantity XX 520 G	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit Mt/Vol		15. Special Handling Instructions and Additional Information (oil less than 500 ppm)	
15. Special Handling Instructions and Additional Information (oil less than 500 ppm)		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name HAROLD FLYNN Signature Harold Flynn Date 08 07 90		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES E. RODGERS Signature James E. Rodgers Date 08 07 90		19. Discrepancy Indication Space	
20. Facility Owner or Operator: Certification of receipt: Printed/Typed Name		Signature		Date Month Day Year		21. Facility Owner or Operator: Certification of receipt: Printed/Typed Name		Signature	

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chap. 115, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information is a crime under the Illinois Criminal Code.

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chap. 115, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 6. GENERATOR COPY

C08646

HAZARDOUS WASTE MANIFEST

84-002RX

MANIFEST DOCUMENT NUMBER

S. D. MYERS, INC.

NAME OF CARRIER

(SCAC)

SHIPPER NUMBER

CARRIER NUMBER

IDENTIFICATION

	12 DIGIT EPA ID #	COMPANY NAME, MAILING ADDRESS, AND TELEPHONE NUMBER	DATE SHIPPED OR RECEIVED
GENERATOR/SHIPPER	OHDO44946127	CERRO COPPER Route #3 Sargent, Illinois S. D. MYERS, INC. 1500 Commerce Drive Stow, OH 44224	
TRANSPORTER # 1	OHDO44946127	S. D. MYERS, INC. 1500 Commerce Drive Stow, OH 44224	
TRANSPORTER # 2 (If required)			
TSDI TREATMENT STORAGE OR DIS- POSAL FACILITY	OHDO44946127	S. D. MYERS, INC. 1500 Commerce Drive Stow, OH 44224	
TSDI TREATMENT STORAGE OR DIS- POSAL FACILITY			

NO. OF UNITS & CONTAINER TYPE	HAZ WASTE ID #	DESCRIPTION A (Proper Shipping Identification Number)
9 drums	X	Waste polychlorinated biphenyls-20
23 drums	X	Waste polychlorinated biphenyls-14
11 drums	X	Empty NON-PC 9 open head 2 closed head

4-19
OIL REMOVED FROM
SOUTH T.M. TANK - NO. 36.
REPLACED WITH NEW
OIL BY SDM.

INT 3'D	UNITS WT/VOL	TOTAL QUANTITY	RATE	CHARGES (For Carrier Use Only)
	6/gal	2700/1,265 solids/liquids		

SPECIAL HANDLING INSTRUCTIONS

COMMENTS

On "Collect on Delivery" shipments, the letters "COD" must be used.

If it is spilled on a waterway or adjoining land, the incident reported to the Federal government at 1-800-424-8802 (toll 5 (toll call)). If other DOT Hazardous Materials are discharged situation, call shipper's telephone number or Chemtrec immediately.

PLACARDS TENDERED

Yes ☐ No ☐

tem 430, Sec. 1

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$
Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____	"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." _____ Signature	TOTAL CHARGES: \$
	Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)	FREIGHT CHARGES FREIGHT PREPAID except when box at right is checked <input type="checkbox"/> Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or

any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CERTIFICATION

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the U.S. Environmental Protection Agency

This is to certify acceptance of the hazardous waste shipment.

TRANSPORTER #1 SIGNATURE & DATE/ TRANSPORTER #2 SIGNATURE & DATE (if required)

This is to certify acceptance of the hazardous waste for treatment, storage or disposal.

GENERATOR'S SIGNATURE

DATE

TSDI SIGNATURE

DATE



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved OMB No. 2000-0404 Exp

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded area required by Federal law, but is by Illinois law.
3. Generator's Name and Mailing Address [Redacted]				A. Illinois Manifest Document Number 1628253	
4. Generator's Phone [Redacted]				B. Illinois Generator's ID [Redacted]	
5. Transporter 1 Company Name		6. US EPA ID Number		C. Illinois Transporter's ID [Redacted]	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Illinois Transporter's ID [Redacted]	
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. Illinois Facility's ID [Redacted]	
				F. Facility's Phone [Redacted]	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity
				No.	Type
a. [Redacted]				1	41
b. [Redacted]					
c. [Redacted]					
d. [Redacted]					
14. Handling Codes for Wastes Listed Above				K. Handling Codes for Wastes Listed Above	
[Redacted]				[Redacted]	
15. Special Handling Instructions and Additional Information				[Redacted]	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations.					
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name		Signature		Date	
[Redacted]		[Redacted]		Month Day	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day	
[Redacted]		[Redacted]		Month Day	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day	
[Redacted]		[Redacted]		Month Day	
19. Discrepancy Indication Space					
[Redacted]					
20. Facility Owner or Operator		Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Date	
Printed/Typed Name		Signature		Month Day	
[Redacted]		[Redacted]		Month Day	

IN ILLINOIS: 217 / 782-3637

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 4 TRANSPORTER PART - 5 IEPA PART - 6 GENERATOR

REV #6

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require, pursuant to Illinois Revised Statutes, 1963, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

GENERATOR COPY - PART 6

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

S. D. MYERS, INC.

Carrier

Shipper's No.

Carrier's No.

Issued, subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading

Sauget, Illinois

19 84

from

CERRO COPPER ATTN: Ray Thompson

Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as carrier of all or any of said property over all or any portion of said route to destination, and as to each party of any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to S. D. MYERS, INC.

Destination Stow State Ohio Zip Code 44224 County (Mail or street address of consignee—For purposes of notification only.)

Delivery Address 1500 Commerce Drive

(*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials

No.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Car.)	Class or Rate	Check Column	Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
9	Drums fullers earth 6 at 74ppm, 3 at 146ppm				(Signature of Consignor.) If charges are to be prepaid, write or stamp here, "To Be Prepaid."
9	Drums-empty open top				
2	Drums-empty closed top				
23	Drums oil 6 at 515ppm, 9 at 105ppm, 9 at 101ppm				
	ORM-E UN2315				
					Received \$ _____ to apply in prepayment of the charges on the property described hereon.
					Agent or Cashier

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

Agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

S. D. Myers Inc. Shipper, Per.

Agent, Per.

name post-office address of shipper.

65695 REDIFORM

POLY PAK (50 SETS) 6P695

C08645

PURCHASE REQUISITION

No 54920

C08650

Supplier TRANSFORMER CONSULTANTS

Address P.O. Box 3575
AKRON OHIO 44310

Phone (inc. Area Code) 216-929-2847

SHIP TO:

CERRO COPPER PRODUCTS CO.
HIGHWAY #3, ALTON & SOUTHERN TRACKS
SAUGET, ILLINOIS 62201

DEPT. 41-8060-E-4654

Date of Req./Order <u>7-14-83</u>	Ship On <u>8-14-83</u>	Req. No. <u>54920</u>	Confirmation Date	Refer All Inquiries To
Terms	F.O.B.	Shipping Instructions		

QUANTITY	DESCRIPTION	Do Not Write In This Area PRICE EXTENSION	
	TO DE-CHLORINATION OF 2 UNIT		
	P.C.B. PER QUOTATION		
	33-15041		
	STARTED SOUTHEND T.M 3-12-84		

Mach. Description MAIN MILL NORTH & MAIN MILL SOUTH Ordered by Roy Thompson

Reason for Req. TO BE ABLE TO REFINE OIL IN TRANSFORMERS

Authorized _____ Approved _____



*Dedicated to conserving our nation's natural oil resources
and prolonging the life of transformers nationwide.*

P.O. BOX 3575, AKRON, OHIO 44310, PHONE (216) 929-2847 - TOLL FREE (800) 321-9580

For Information Contact:

☐ BOX 3575, AKRON, OHIO 44310
Phone 1 - 800-321-9580

☐ BOX 3575, AKRON, OHIO 44310
Phone 1 - 216-929-2847

☐ 26062 EDEN LANDING RD.
HAYWARD, CALIFORNIA 94545
Phone 415-783-7744

☐ 26062 EDEN LANDING RD.
HAYWARD, CALIFORNIA 94545
1-800-972-5940 (Inside Calif.)
1-800-227-0637 (Outside Calif.)

☐ 18100 UPPER BAY ROAD
HOUSTON, TEXAS 77058
Phone 713-333-5684

QUOTATION

TO:

Cerro Copper Products
P.O. Box 681
E. St. Louis, IL. 62202

Attn: Roy Thompson

Page 1 of 4 Pages

QUOTATION NO. 33-15041
DATE 5/20/83
YOUR ORDER 50106

(For Transformer Oil Testing Only)

GENTLEMEN:

Transformer Consultants is pleased to forward this quotation for the work described herein.

May we serve you?

See item 4 on back page.

The services described herein will be sold subject to the additional provisions provided for in this quotation, Items 1-12 inclusive. We thank you for this opportunity to make this proposal and will appreciate your acceptance. If we are honored with your order please forward one copy with your acceptance noted.

ACCEPTED		S. D. MYERS, INC.	
FIRM NAME		CONTACT:	
BY		John Dargie/Bill Wolfe	
TITLE		STANLEY D. MYERS, President	
DATE			

SERVICES TO BE SUPPLIED BY S. D. MYERS, INC.

(See Item II Services to be supplied by customer)

Transformer Consultants, division of S. D. Myers, Inc., Akron, Ohio submits the following quotation for the services and work described in this proposal.

ITEM 1—"HOT OIL" CLEANING OF TRANSFORMERS.

☐ Required ☒ Not Required

(Work to be accomplished while the transformers are energized.)

S. D. Myers, Inc., will provide all of the necessary EQUIPMENT — SUPPLIES — and OPERATING PERSONNEL to purge your transformers with a hot naphthenic oil, utilizing multiple passes through the unit to redissolve the fatty acids and other soluble decay products and restore the transformer interior to a clean condition. The oils will be restored to the following criteria.

Acid Number	—	0.03 mg/KOH/g (max)
Interfacial Tension	—	36.0 Dynes/Cm (min)
Dielectric	—	35.0 KV (min)

C08651

COST SUMMARY SHEET

QUOTATION NO. 33-15041 DATE 5/20/83 FOR Cerro Copper Products
 CITY E. St. Louis, STATE IL.

ITEM 7

It is understood that the prices itemized below represent the sum of all of the charges to be made by Transformer Consultants to the Company Served and includes the restoration of the transformer oil to the same level as that recommended by the manufacturer, as herein specified.

(7A) "HOT OIL" CLEANING OF TRANSFORMERS (See Item 1)

_____ Transformers requiring treatment @ \$ _____ Net Lot

(7B) TRANSFORMER "POWER ON" SLUDGPURGING@ (See Item 2)

_____ Transformers requiring SludgPurging® @ \$ _____ Net Lot

(7C) TRANSFORMER "POWER OFF" SLUDGPURGING® (See Item 3)

_____ Transformers requiring SludgPurging® @ \$ _____ Net Lot

OTHER WORK

(7D) 2 Units PCB De-Chlorination \$ 9241.00

35

36

(7E) \$ _____

(7F) ADDITIONAL CONDITIONS

☐ None ☐ See Attachment ☐ Described as Follows \$ _____

TOTAL SERVICE CHARGES

\$ 9241.00

THESE PRICES GOOD FOR sixty DAYS

*** WORK HOURS PREDICATED ON A 15-17 HOUR WORK DAY - 6 DAY WEEK - MONDAY THRU SATURDAY**

Should the customer be unable to furnish the oil required to restore the oil level to that recommended by the transformer manufacturer, Transformer Consultants will supply the oil at the following price.

_____ Drums of oil required \$ Included

ITEM 8 Date of Delivery 10-12 weeks after receipt of order

ITEM 9 Saturday Work Subject To Additional Charge

ITEM 10 Terms of Payment Applicable taxes are in addition to this price.

The price to be paid by the customer for the above services shall be due and payable in thirty (30) days from the date of each invoice. Prices quoted above are based upon prompt payment of invoices when due. Past due balances will bear interest at the rate of 1% per month.

DIVISION OF **S. D. Myers** **TRANSFORMER** **CONSULTANTS**

ITEM 2—TRANSFORMER "POWER ON" SludgPurging® ☐ Required ☒ Not Required

S. D. Myers, Inc. will provide all of the necessary SPECIAL EQUIPMENT — SUPPLIES and OPERATING PERSONNEL to SludgPurge® your transformers. The transformers will be SludgPurged® with a HOT NAPHTHENIC based oil. A CONTROLLED and EXTENDED HEAT RUN will be conducted to elevate the transformer temperature to a safe level and yet permit the oil to redissolve the decay products. At this point the HOT NAPHTHENIC oil will penetrate to all accessible parts of the transformer and transformer insulation and attack the decay products (fatty acids, sludges of asphaltene, alcohols, varnishes, lacquers, metallic soaps, etc.) that permeate the system, and bring them into solution to be removed in the ADSORBENT BEDS. The transformer, now purged of these destructive decay products, will gain additional operating life. Transformer oils will be re-established to the condition outlined in ITEM 1 above.

ITEM 3—TRANSFORMER "POWER OFF" SludgPurging® ☐ Required ☒ Not Required

S. D. Myers, Inc. will provide all of the necessary SPECIAL EQUIPMENT — SUPPLIES and OPERATING PERSONNEL to (1) DRAIN the transformer(s) of oil (customer is to provide the necessary containers and dispose of the old oil) and (2) FLUSH the interior of the transformer(s) with a HOT NAPHTHENIC OIL (windings, ventilating tubes and fins, core, ventilating ducts, etc.) to remove the accumulation of BULK SLUDGES. Transformers will be (3) REFILLED with new transformer oil and an (4) EXTENDED & CONTROLLED HEAT RUN will be conducted to purge the transformer and transformer insulation of the decay products, (fatty acid, sludges of asphaltene, alcohols, varnishes, lacquers, metallic soaps, etc.,) permeating the transformer. The transformer now purged of these destructive decay products will gain additional operating life. Transformer oils will be re-established to the condition outlined in ITEM 1 above.

ITEM 4—OTHER WORK

☐ None ☒ Described below

Should unforeseen action, direct or indirect by any government agency impose additional cost to meet environmental standards we reserve the right to alter the price of this quotation.

If this becomes necessary the customer will be notified immediately for approval of the additional charge.

Upon receipt of your order, Item (7D) of the Cost Summary Sheet will be completed (if applicable.) Should the work quoted herein not be completed, Transformer Consultants will invoice the customer for the amount shown under Item (7D).

Power Requirements - 480 Volts, 3 Phase, 60 Amps.

ITEM 5—TRANSFORMERS WITHOUT FILTER PRESS VALVES

See Item 12 Paragraph 10

ITEM 6—EXCEPTIONS

(5A) NON SERVICABLE TRANSFORMERS: We have successfully ReRefined oil in ENERGIZED transformers having 9 gals. capacity. Our Service Engineers are given the option by S. D. Myers, Inc. of not servicing some transformers when, in their opinion, there is an undue safety hazard because of limited room around non-insulated conductors. These exceptions would include pole mounted transformers in particular, and some units mounted on the sides of buildings that present an exceptional hazard. A request for a power outage might solve some of these exceptions.

(5B) OTHERS

☒ None ☐ Described below

C08653



P.O. BOX 3575, AKRON, OHIO 44310, PHONE (216) 929-2847

ITEM 11 SERVICES TO BE SUPPLIED BY CUSTOMER

LIAISON MAN - In order to avoid delay charges (see below) a contact man should be assigned by the customer to the ReRefiner Truck when it reaches your plant to assist in: (1) the maneuvering of the unit through your facility; (2) location of the unit for the various set-ups required, including connecting our processing equipment to the customer's plant electrical system; (3) to orient our men in the plant, so that we will be able to move freely in the assigned areas without violating restricted areas; (4) to point out the facilities that we will require, such as wash rooms, lunch areas, maintenance office, nearest telephone, etc.

A plan of operation should be worked out by the customer beforehand so that your production will not be hampered in any manner and so that we may operate efficiently. The ReRefiner is 55' long and 8' wide with a total height of 12' 6". It has 800' of hose to make connections to the transformers.

ELECTRICAL POWER - The ReRefiner requires 10 amperes of three phase 60 cycle power on 440 volts or 20 amperes on 220 volts. We have a 3 phase 4 wire cable 250' long with a Twist Lock plug on the ReRefiner end that will feed your power into a 20 ampere circuit breaker on our ReRefiner. If you cannot provide the electrical power, provisions will have to be made by us **beforehand** to provide a power generator set.

OTHER SERVICES - It may be necessary to have materials shipped into your plant prior to the beginning of the work, such material as fullers earth, transformer oil and oxidation inhibitors. This material would be sent to you plainly marked, "Hold for S. D. Myers, Inc. pickup." Your cooperation in holding these materials for us in a readily accessible area and where the material will be **kept clean and dry** will greatly help us serve you better.

If an extended stay in your plant is necessary, your assistance in disposing of the spent Fullers Earth would be appreciated. This requirement can be worked out on the job site without much difficulty.

WORKING HOURS - Our quotation is predicated on our ability to work at any time of the day and night. Normal work days are 15 to 17 hours. If work is started on a large transformer, we prefer to finish the run on the oil at one set-up so that we can return and finish the job the next day after having reached an intelligent stopping point. If this does not meet with your company policy, we should be notified before work begins so that adjustments in our procedures can be made.

ACCESS & AVAILABILITY - The customer is to provide prompt access to the described equipment which is to be serviced during the entire period of servicing. Any delays in processing the oils caused by the customer will be invoiced to the customer at a rate of \$150.00 per hour, not to exceed \$1500.00 for any 24 hour period, or one complete calendar day, at the option of the servicing company.

ITEM 12 CONDITIONS OTHER THAN THOSE SPECIFIED AND OUTLINED ABOVE

The following are the conditions under which we will undertake the treatment of the above mentioned Oils:

1. Unless it has already done so, the customer shall within ten days from the date of execution of this agreement, furnish a representative sample or complete test results of the insulating oil from the equipment covered by the present agreement. The customer will permit us to obtain samples after treatment to enable us to verify the results of its treatment. Should further treatment be required, a date for the carrying out of such further treatment shall be agreed upon and we shall be permitted to obtain samples of the oil tested. Such tests shall be included in the price of treatment.
2. The customer agrees to provide access to the equipment on the date stipulated and during the whole period of the treatment. The cost of any delays arising from the customer's failure for any reason to provide such access will be paid by the customer on demand.
3. We will not be responsible for deterioration of oil during operation after ReRefining, the customer hereby acknowledging that such deterioration is dependent upon transformer design and usage.
4. The customer shall be responsible for any loss or expense resulting from incorrect information furnished by it.
5. We assume no liability for delays caused by strikes, riots, floods, fires, acts of God or any cause beyond our control and shall not be required to supply services to the customer while interruption of service due to any such cause shall continue.
6. It is acknowledged that our obligation is limited to the ReRefining of the oil in the equipment described, all of which equipment will be solely in the care custody and control of the customer at all times, and that we are in no way obligated to maintain, repair, service, replace or assure the operation of the said equipment, unless special provision for such work is made in writing.

DIVISION OF
ED Myers

TRANSFORMER
CONSULTANTS

Proposal Cerro Copper Products
33-15041 Date 5/20/83 S. D. MYERS, INC.

ITEM 4 PCB-GONE (R)

	MFG.	S/N	GALLONS	OIL CLASS	PCB PPM	AROCOR	UNIT COST
35	West	PBV-0830-01	294	-	750	1260	\$ 3901.00
36	West	SAV-4359-01	389	-	860	1260	\$ 5340.00

GUARANTEE: After 3 months, the PCB Content of the mineral oil will be a non-PCB, as defined in 40 CFR 761.

It will be the customer's responsibility to comply to 761.30, paragraph (2), (V) of 40 CFR 761, in order to reclassify.

Sub Total This Side \$ 9241.00 (see Item 7-E)

C08655

ITEM 12 (Continued)

22. And whereas, the presence of this moisture can be established as existing in the insulation by certain test procedures (see item 23 that follows)
23. Whereas such transformers, according to the various insurance companies offering insurance policies, are not insurable for continuity of service and loss of production unless approved after meaningful tests are conducted on the units, such as

ASTM specified oil tests
Insulation Resistance
Insulation Resistance to Ground Test
Dielectric Adsorption Test
Insulation Power Factor Tests
Bushing Power Factor Tests
Turn to Turn Ratio
Physical inspection of interior of the transformer
Load Evaluation
Gas Chromatography
Etc.

24. Whereas, inasmuch as the portable oil purifying equipment used by S. D. Myers, Inc. will under all conditions deliver to an energized transformer a processed oil having a maximum water content of 35 ppm (Equivalent to 35,000 volt dielectric using standard 1" polished discs spaced 0.100" apart and with a voltage rise of 3,000 volts per second) and with an air content of less than 2%, and at a flow rate that will not set up a turbulence in the insulating oil, and that there is no way possible for the recirculation of a purified oil throughout the transformer to contribute to the failure of a transformer, and
25. Whereas, it is acknowledged that it is within the realm of possibility that a transformer could reach a point of failure at the exact time of reconditioning the transformer and the transformer oil using the certified processing equipment, in which the recirculating of the oil can in no way contribute to such failure, and that said failure is the result of an accumulation of contributing factors such as AGE, OVERLOADING, OIL DETERIORATION PRODUCTS impregnating and permeating and coating over the insulation and current carrying parts of the transformer, transient voltages failure of protective devices on or connected to or associated with the transformer being serviced, faulty bushings, or other contributing causes, that
26. The owner of the transformer being serviced acknowledges that the factors leading up to the point of failure are conditions that are under the control, or have been under the care, custody and control of the owner over a period of years, and that these conditions are not produced by the brief period of servicing by the S. D. Myers, Inc. and
27. Whereas, the tests referred to in Item 12, paragraph 23 herein have not been made S. D. Myers, Inc. has no factual data other than oil testing results concerning any of the transformers to be serviced under this quotation, and
28. Whereas, it is the choice of the customer to service these transformers under energized conditions, said choice having been freely made after full knowledge and explanation of the above mentioned matters and after evaluation of the processing equipment, techniques and procedures to be used and whereas, customer acknowledges that the procedures and equipment to be used would not be a contributing factor to premature transformer failure,

NOW THEREFORE, Customer hereby agrees to exonerate and indemnify S. D. Myers, Inc. and its sub-contractors, if any, from and against any and all losses, damages, claims, attachments, judgments and costs of any kind and nature whatsoever relating to: 1. damage or destruction of the property, listed in Item 7 herein, and 2. loss of production by customer caused by or in any manner connected with the work called for by this quotation.

29. The provisions contained in this quotation shall become a part of any contract resulting and no terms or conditions other than those stated herein, and no agreement or understanding, oral or written, in any way purporting to modify these terms and conditions, whether contained in customer's purchase order or elsewhere, shall be binding on S. D. Myers, Inc. unless hereafter made in writing and signed by its authorized representative. All proposals, negotiations, and representations, if any, made prior, and with reference hereto, are merged herein.

ACTS 4:12



C08656

7. S. D. Myers, Inc. certifies that standard operating procedures to be followed during the processing of the transformers contemplated by this quotation are in part outlined below.

WARM UP: At the beginning of each work day all of the operating equipment within the ReRefiner Trailer will be filled with oil and this oil recirculated throughout the system and elevated to the maximum operating temperature of 200°F and dehydrated by means of the contained Vacuum Chamber, to dehydrate the system, including the hoses to be used to conduct the oil to and from the transformer to be serviced.

OPERATION: Transformer oil will be serviced in the unit by first providing sufficient oil to the transformer to restore the original oil level recommended by the manufacturer, and then recirculating this oil through filters, heat, filter beds of adsorbents, vacuum chambers, etc., to remove the decay products and deliver to the transformer an air free oil having a dielectric value of 35KV or higher. The process will continue until contract conditions have been met and then an oxidation inhibitor at the specified rate of 0.3% by weight has been added to the newly processed oils.

8. All processing equipment used to service the transformers contemplated by this contract will be in perfect working order, and will be operated by personnel who have been sufficiently trained in the operation of said equipment, and in personal safety procedures required to work in and around energized transformers of all voltage classifications.
9. It is understood under the conditions of sale that S. D. Myers, Inc. will process all transformers, included in this quotation, having a top and bottom mounted filter press valve to which the hoses to be used will be connected, on an energized basis, at option of customer, subject to the provisions outlined.
10. S. D. Myers, Inc. is prepared by experience, equipment and operational procedures to process oils in energized transformers that do not have filter press valves. This is accomplished by utilizing fittings that are themselves non conductors, electrician's gloves and electrical insulating blankets. It is recommended, however, that this type of transformer (without filter press valves as above referred to), in the interest of safety, be de-energized while the oil is being processed.
11. It is recognized that all transformers in operation do not have an indefinite life, and
12. It is acknowledged that at any period in the life of the transformer it is subject to failure or premature failure.
13. It is further a recognized fact that a transformer is designed to operate under specified conditions of LOAD, AMBIENT TEMPERATURES, VENTILATION, VOLTAGE, ETC., all conditions being fully outlined and in printed form by the several transformer manufacturers.
14. It is also acknowledged that transformers having been operated under adverse conditions will tend to premature failure because of excessive heating, over and shock loading, transient voltage surges, deteriorated oil, sludging, etc.
15. Also transformers that have been in operation less than 15 years having an acid number of 0.25 mg/KOH/g when tested under ASTM D-974 date current, or a transformer 20 years old and older has performed to its manufacturers design limits, and that more than 50% of its useful life has been consumed during this period of time.
16. It is an established fact that when the acid number reaches a value of 0.30 mg/KOH/g the decay products of oil have penetrated into and impregnated completely the insulation of the transformer (and the laminated iron stack) and that such decay products have formed in the VOIDS of the insulation (these voids being present in all transformer insulating systems) and such voids are now filled with deposited SLUDGE products, asphaltene in nature, which tend to reduce the insulating value of the system and are themselves tending to be a good electrical conductor.
17. Whereas, the presence of these decay products can be established as existing in the insulation by certain test procedures (see item 23 that follows),
18. And inasmuch as a voltage surge presented to the transformer from any source within the electrical system of the plant being serviced, or from the source of power presented to the plant electrical system, or from lightning strokes, or from any source, will seek out the point of least resistance.
19. Whereas, insulating mediums in transformers so permeated and impregnated with transformer oil decay products present to the voltage surge such a lowering of insulation resistance that would become the weak point sought out by such a voltage surge, and
20. Whereas, any transformer oil having a dielectric of 24KV and lower have presented to the insulation medium of the transformer what is known as chemically "free water", and that it is a recognized phenomena that the transformer insulation, being hygroscopic in nature, will share equally with the oil the free water so present.
21. And whereas, this sharing of free water will tend to lower the insulating value of the insulation

Date 7-2-1985

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at END of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	
PCB Transformers	NONE	NONE	NONE	NONE
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER C. 31.18 KILOGRAMS 65 (

Roy Thompson

(B) Induction Heaters at Press

08658

Date 7-2-1984

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at E of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	
PCB Transformers DE-CHORINATION OF 2 TRANSFORMER		NONE	23 DRUMS	
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER CAP. 31.18 KILOGRAM 65 (B)

Roy Thompson

(B) Induction Heaters at Press

C08659

Date 7-2-1983

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at E of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	
PCB Transformers	NONE	NONE	NONE	TOTAL WEIGHT 2,270.47 KILOGR 2 (A)
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER CAP. 31.18 KILOGRAM 65 (B)

(A) Tube Mill South & Tube Mill North

(B) Induction Heaters at Press

Roy Thompson

C08660

Date 7-2-1982

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at E of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	NONE	NONE	NONE	TOTAL WEIGHT 2,270.47 KILOGRAMS 2 (A)
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER CAP. 31.18 KILOGRAM 65 (B)

(A) Tube Mill South & Tube Mill North

(B) Induction Heaters at Press

Roy Thompson

Date 7-2-1981

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at E of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	NONE	NONE	NONE	TOTAL WEIGHT 2,270.47 KILOGRAMS 2 (A)
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER CAP. 31.18 KILOGRAM 65 (B)

(A) Tube Mill South & Tube Mill North

(B) Induction Heaters at Press

Roy Thompson

C08662

Date 7-2-1980

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at E of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	NONE	NONE	NONE	TOTAL WEIGHT 2,270.47 KILOGRAM 2 (A)
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER. CAP. 31.18 KILOGRAM 65 (B)

(A) Tube Mill South & Tube Mill North

(B) Induction Heaters at Press

Roy Thompson

Date 2-2-1979

CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at En of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	
PCB Transformers	NONE	NONE	NONE	TOTAL WEIGHT 2,270.47 KILOGRAM 2 (A)
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER CAP. 31.18 KILOGRAM 65 (B)

(A) Tube Mill South & Tube Mill North

(B) Induction Heaters at Press

Roy Thompson

C08664

Date 7-2-1978CERRO COPPER PRODUCTS CO.
Sauget, Illinois 62202

PCB ANNUAL DOCUMENT

	Removed From Service	In Storage for Disposal	In Transport for Disposal	In Service at End of Year
PCBs/PCB Items in Containers	NONE	NONE	NONE	NONE
PCB Transformers	NONE	NONE	NONE	TOTAL WEIGHT 2,270.47 KILOGRAM 2 (A)
PCB Capacitors	NONE	NONE	NONE	WEIGHT PER CAP. 31.18 KILOGRAM 65 (B)

(A) Tube Mill South & Tube Mill North

(B) Induction Heaters at Press

Roy Thompson

C08665

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EPA.
ID #

3.2 KILOGRAM
PER GAL.
ILL. EPA ID #

1LD080018714

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